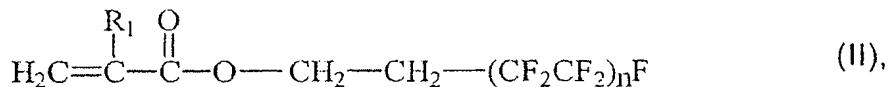


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (Currently Amended): A coating composition for producing formable scratchproof coatings with dirt repellency effect, comprising:

- A) from 1 to 30% by weight of a prepolymer obtainable by free-radically polymerizing a mixture comprising
 - A1) from 1 to 10 parts by weight of at least one sulphur compound containing at least 3 thiol groups, and
 - A2) from 90 to 99 parts by weight of alkyl (meth)acrylates,
- B) from 0.2 to 10% by weight of fluoroalkyl (meth)acrylate according to the formula (II)



wherein the radical R₁ is a hydrogen atom or a methyl radical and n is an integer in the range from 2 to 10

- C) from 20 to 80% by weight of polyfunctional (meth)acrylates,
- D) from 0.01 to 10% by weight of at least one initiator,
- E) from 2 to 75% by weight of at least one diluent, and
- F) from 0 to 40% by weight of customary additives.

Claim 2 (Previously Presented): The coating composition according to Claim 1, wherein the prepolymer A) has a viscosity number to DIN ISO 1628-6 in the range from 8 to 15 ml/g measured in CHCl₃ at 20°C.

Claim 3 (Previously Presented): The coating composition according to Claim 1, wherein the alkyl (meth)acrylates used to prepare the prepolymer A) have 1 to 8 carbon atoms in the alcohol residue.

Claim 4 (Previously Presented): The coating composition according to Claim 3, wherein the prepolymer A) is prepared using a mixture of alkyl (meth)acrylates A2) containing at least 10% by weight of methyl (meth)methacrylate and/or ethyl (meth)acrylate and at least 2% by weight of alkyl (meth)acrylates having 3 to 8 carbon atoms.

Claim 5 (Previously Presented): The coating composition according to Claim 1, wherein the sulphur compound contains at least four thiol groups.

Claim 6 (Previously Presented): The coating composition according to Claim 5, wherein the sulphur compound is pentaerythritol tetrathioglycolate.

Claim 7 (Previously Presented): The coating composition according to Claim 1, wherein the coating composition contains from 0.5 to 2% by weight of fluoroalkyl (meth)acrylates in accordance with component B).

Claim 8 (Previously Presented): The coating composition according to Claim 1, wherein the initiator in accordance with component D) is a UV initiator.

Claim 9 (Previously Presented): The coating composition according to Claim 1, wherein the diluent in accordance with component E) comprises (meth)acrylates having 1 to 10 carbon atoms, styrenes and/or acrylonitrile.

Claim 10 (Previously Presented): The coating composition according to Claim 1, wherein component F) comprises UV absorbers and/or UV stabilizers.

Claim 11 (Previously Presented): A scratchproof formable dirt-repellent moulding comprising a polymeric substrate and a scratch-proof coating obtained by a coating composition according to Claim 1.

Claim 12 (Previously Presented): The moulding according to Claim 11, wherein the polymeric substrate comprises polymethyl methacrylate, polycarbonate, polyvinyl chloride, polystyrene, polyolefins, cycloolefin copolymers, polyesters and/or acrylonitrile/butadiene/styrene copolymers.

Claim 13 (Previously Presented): The moulding according to Claim 11, wherein the moulding has an impact strength to ISO 179/1 of at least 10 kJ/m².

Claim 14 (Previously Presented): The moulding according to Claim 11, wherein the polymeric substrate has a thickness in the range from 1 mm to 200 mm.

Claim 15 (Previously Presented): The moulding according to Claim 11, wherein the scratchproof coating has a coat thickness in the range from 1 to 50 µm.

Claim 16 (Previously Presented): The moulding according to Claim 11, wherein the haze of the moulding increases by not more than 5% after a scratch resistance test to DIN 52 347.

Claim 17 (Previously Presented): The moulding according to Claim 11, wherein the polymeric substrate has an elasticity modulus to ISO 527-2 of at least 1500 MPa.

Claim 18 (Previously Presented): The moulding according to Claim 11, wherein the moulding has a weathering stability to DIN 53 387 of at least 4000 hours.

Claim 19 (Previously Presented): The moulding according to Claim 11, wherein the moulding has a transparency to DIN 5033 of at least 70%.

Claim 20 (Previously Presented): The moulding according to Claim 11, wherein the contact angle of alpha-bromonaphthalene with the surface of the polymeric article at 20°C is at least 50°.

Claim 21 (Canceled).

Claim 22 (Previously Presented): A process for producing a scratchproof formable dirt-repellent moulding comprising applying the coating composition according to Claim 1 to a polymeric substrate and curing the coating composition.

Claim 23 (Previously Presented): A scratchproof formable dirt-repellant moulding prepared by the process as claimed in Claim 22.

Claim 24 (New): The coating composition according to Claim 1, wherein component E) comprises at least one monofunctional reactive diluent.

Claim 25 (New): The coating composition according to Claim 24, wherein said monofunctional reactive diluent has a free radical polymerizable group.

Claim 26 (New): The coating composition according to Claim 24, wherein said monofunctional reactive diluent has a vinyl group.

Claim 27 (New): The coating composition according to Claim 24, wherein said monofunctional reactive diluent is butyl acrylate, 2-hydroxyethyl acrylate, 2-hydroxyethyl methacrylate, hydroxypropyl acrylate, hydroxypropyl methacrylate, 2-ethoxyethyl methacrylate or 2,2,3,3-tetrafluoropropyl methacrylate, methyl methacrylate, tert-butyl methacrylate or isobornyl methacrylate.